

0212393300 WEST BRANCH ROCKY RIVER BELOW MOUTH OF SOUTH PRONG RIVER NEAR CORNELIUS, NC

LOCATION.--Lat 35°28'04", long 80°47'25", Mecklenburg County, Hydrologic Unit 03040105, on downstream side of box culvert on River Ford Road, 30 ft downstream of mouth of South Prong River, and 4.0 mi southwest of Cornelius.

DRAINAGE AREA.--20.8 mi².

PERIOD OF RECORD.--July 2004 to September 2004.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 638.42 ft above NAVD 88. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred on Aug. 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	13	3.6	2.3
2	---	---	---	---	---	---	---	---	---	8.4	4.1	2.0
3	---	---	---	---	---	---	---	---	---	7.5	3.7	2.0
4	---	---	---	---	---	---	---	---	---	16	2.9	1.9
5	---	---	---	---	---	---	---	---	---	17	2.5	1.7
6	---	---	---	---	---	---	---	---	---	9.0	2.1	7.7
7	---	---	---	---	---	---	---	---	---	e5.9	1.8	71
8	---	---	---	---	---	---	---	---	---	e4.1	1.7	283
9	---	---	---	---	---	---	---	---	---	4.1	1.6	14
10	---	---	---	---	---	---	---	---	---	3.8	1.5	6.8
11	---	---	---	---	---	---	---	---	---	5.1	1.4	5.1
12	---	---	---	---	---	---	---	---	---	4.3	16	4.2
13	---	---	---	---	---	---	---	---	---	3.6	5.9	3.5
14	---	---	---	---	---	---	---	---	---	3.2	7.2	3.3
15	---	---	---	---	---	---	---	---	---	2.9	3.8	3.1
16	---	---	---	---	---	---	---	---	---	2.6	3.0	2.9
17	---	---	---	---	---	---	---	---	---	3.1	2.7	28
18	---	---	---	---	---	---	---	---	---	4.9	3.2	7.4
19	---	---	---	---	---	---	---	---	---	6.9	2.4	4.5
20	---	---	---	---	---	---	---	---	---	3.1	2.2	4.0
21	---	---	---	---	---	---	---	---	---	2.8	2.1	3.4
22	---	---	---	---	---	---	---	---	---	2.7	2.2	3.2
23	---	---	---	---	---	---	---	---	---	2.7	2.1	3.1
24	---	---	---	---	---	---	---	---	---	2.4	1.9	3.0
25	---	---	---	---	---	---	---	---	---	2.3	1.8	2.8
26	---	---	---	---	---	---	---	---	---	2.7	1.7	2.6
27	---	---	---	---	---	---	---	---	---	33	1.6	30
28	---	---	---	---	---	---	---	---	---	4.7	1.6	1,040
29	---	---	---	---	---	---	---	---	---	15	1.9	38
30	---	---	---	---	---	---	---	---	---	9.0	2.5	18
31	---	---	---	---	---	---	---	---	---	4.3	4.1	---
TOTAL	---	---	---	---	---	---	---	---	---	210.1	96.8	1,602.5
MEAN	---	---	---	---	---	---	---	---	---	6.78	3.12	53.4
MAX	---	---	---	---	---	---	---	---	---	33	16	1,040
MIN	---	---	---	---	---	---	---	---	---	2.3	1.4	1.7
CFSM	---	---	---	---	---	---	---	---	---	0.33	0.15	2.57
IN.	---	---	---	---	---	---	---	---	---	0.38	0.17	2.87

SUMMARY STATISTICS

FOR 2004 WATER YEAR

HIGHEST DAILY MEAN	1,040	Sep 28
LOWEST DAILY MEAN	1.4	Aug 11
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 5
MAXIMUM PEAK FLOW	2,350	Sep 28
MAXIMUM PEAK STAGE	12.59	Sep 28
INSTANTANEOUS LOW FLOW	1.0*	Aug 11

* See REMARKS.

e Estimated.

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